AMENDMENTS TO THE SPECIFICATION

At page 1, amend paragraph 0004 as follows:

[0004] Substantial limitations currently exist in our ability to apply recent biotechnological advances to analyze neural substrates of complex mammalian behavior. In contrast to the rapid pace of innovation seen in the fields of mammalian genomics, medicinal chemistry and information technology, less progress has been made in the development of behavioral assessment techniques for mice or other mammals. Such procedures are vital for exploring the impact of genes, drugs and environment on brain functions relevant to common neuropsychiatric conditions such as schizophrenia, depression, and anxiety. Standard approaches involving repeated removal of mice from their home cages for a battery of behavioral tests are problematic because: 1) they are time-consuming and labor-intensive, 2) the order of test administration can skew the resulting data, 3) removal of mice from the home cage produces stress that confounds interpretation of behavioral data, and 4) data are frequently misinterpreted due to a failure to consider behavioral domains that are not the main focus of study (eg: impact of anxiety on tests of learning).

At page 4, amend paragraph 0019 as follows:

[0019] Figure 5 shows a schematic illustration of the lickometer **32** showing the fluid reservoir **26,** the detector **24** (e.g. ~~conoductance~~ conductance or capacitance meter), and the barrier plate **52**, with slot **54.**

At page 5, amend paragraph 0030 as follows:

[0030] Figure 16 shows a photograph of a ~~behaioral~~ behavioral monitoring system comprising multiple feeders and multiple lickometers.

At page 6, amend paragraph 0046 as follows:

[0046] The monitoring systems of this invention operate at a significantly higher spatial resolution and temporal resolution than typical monitoring systems. It was a surprising discovery that such high resolution data acquisition/data reporting provides a result different in kind than that observed with typical systems. Specifically, the high temporal and spatial resolution permits the detection and recording of behavioral components that could not previously be detected and/or

quantified. Moreover, the high temporal and spatial resolution permits curve fitting and ~~quantititative~~ quantitative statistical analysis of resulting data sets permitting automated and/or semiautomated detection, quantification, and/or characterization of behavioral components.

At page 16, amend paragraph 0071 as follows:

[0071] The invention may be embodied in a fixed media or transmissible program component containing logic instructions and/or data that when loaded into an appropriately configured computing device cause that device to perform one or more of the analytical operations described above on an ethological dataset (*e.g.* classify behavior into bouts, ~~identifiy~~ identify circadian patterns to behavioral bouts, ~~classivy~~ classify within cluster behaviors, compare groups, *etc.*) according to the methods of this invention.

At page 16, amend paragraph 0072 as follows:

[0072] Figure 26 shows digital device **700** that may be understood as a logical apparatus that can read instructions from media **717** and/or network port **719**. Apparatus **700** can thereafter use those instructions to direct analysis of behavioral data, create, sort, search, and read ~~bevaioral~~ behavioral database, and the like. In certain embodiments, the digital device can be directly connected to one or more cage behavioral systems according to this invention and, optionally function in realtime. In certain embodiments, the ~~digitial~~ digital device can simply access, analyze, and/or manipulate previously collected data.

At page 20, amend paragraph 0088 as follows:

[0088] In one embodiment, where the user requests access to the methods of this invention, the user is directed to a particular page type, *e.g.,* an application (appdoc) page for in-place execution of an application (implementing one or more elements of the methods of this invention) in the Web browser. Since each application page is located using an URL, other pages can have hyperlinks to it. Multiple application pages can be grouped together by making a catalog page that contains hyperlinks to the application pages. When the user selects a hyperlink that points to ~~to~~ an application page, the Web browser downloads the application code and executes the page inside the browser.

At page 22, amend paragraph 0095 as follows:

[0095] Methods of implementing Intranet and/or Intranet embodiments of computational and/or data access processes are well known to those of skill in the art and are ~~documentede~~ documented in great detail (*see, e.g.,* Cluer *et al.* (1992) *A General Framework for the Optimization of Object-Oriented Queries, Proc SIGMOD International Conference on Management of Data, San Diego, California*, Jun. 2-5, 1992, SIGMOD Record, vol. 21, Issue 2, Jun., 1992; Stonebraker, M., Editor; ACM Press, pp. 383-392; ISO-ANSI, Working Draft, "Information Technology-Database Language SQL", Jim Melton, Editor, International Organization for Standardization and American National Standards Institute, Jul. 1992; Microsoft Corporation, "ODBC 2.0 Programmer's Reference and SDK Guide. The Microsoft Open Database Standard for Microsoft Windows.TM. and Windows NT.TM., Microsoft Open Database Connectivity.TM. Software Development Kit", 1992, 1993, 1994 Microsoft Press, pp. 3-30 and 41-56; ISO Working Draft, "Database Language SQL-Part 2:Foundation (SQL/Foundation)", CD9075-2:199.chi.SQL, Sep. 11, 1997, and the like).

At page 23, amend paragraph 0099 as follows:

[0099] Such methods can, for example, involve contacting (administering to) a animal subject with one or more test agents of interest. One or more behavioral finger prints (ethograms) under defined conditions can then be determined for the animal and compared to appropriate controls (*e.g.* ~~ethgrams~~ ethograms determined for a similar negative control animal (*e.g.* an animal administered less or no test agent, or various positive controls).